



STATE OF WEST VIRGINIA

DEPARTMENT OF MINES OIL AND GAS DIVISION 6

Coulin

Permit No...

WELL RECORD

Oil or Gas Well Gas

Company UNIT	TED FUEL GA	AS COMPANY		<i>*</i>	W.L. 31 &-	V &A 2	
			25, W. Va.	Casing and Tubing	Used in Drilling	Left in Well	Packers
Farm_Alexand	der Corpora	ation	Acres 165	New York Control of the Control of t			
Location (waters				Size		ı	
			Elev. 977.95	16			Kind of Packer
		County		13 Conduct	or	405	
The surface of tr	act is owned in	fee by		103/4"	1572	-	Size of
and the commence of the commen		Address		8½ <u>5/8</u>		2078*	
Mineral rights ar	e owned by Al	Lexander Cor	P	6%		=2/0	Depth set
Management		Address		53/16 <u>1</u>		5169	
Drilling commend	ed <u>8-2-52</u>			3			Perf. top
Drilling complete	d 1-14-53	}		2		<u>5282*</u>	Perf. bottom
Date Shot Not S	shot Fron	nT	o	Liners Used			Perf. top
With							Perf. bottom
			Inch	ESSENCE OF THE PROPERTY OF THE	Doctor and careful and an assessment of the careful and an analysis of the careful and analysis of the careful and an analys		
2	_/10ths Merc.	in7	Inch	CASING CEM	ENTED	_SIZE	No. FtDate
Volume	7,117,000	<u> </u>	Cu. Ft.				4
Rock Pressure	1.235	lbs	<u>24</u> hrs.		***************************************	Am 232	FEET 24 INCHES
Oil			_bbls., 1st 24 hrs.				
Fresh water	<u> </u>	feet	feet		T_{24} INC	HES	FEETINCHES
Salt water	0651	feet	feet	FEE	TINC	HES	FEETINCHES
Formation	Color	Hard or Soft	Тор	Bottom	Oil, Gas or Water	Depth Found	
Soll	CONTROL INFORMACIONISTINISTINISTINISTINISTINISTINISTINIS	service receives an authorise conservation in changing service consistence asserted	0	10	-	PRESIDENT PRESIDENT AND	
Clay			10	35			
Slate Sand	reconstruction		35 71	71 145		mmunaccioner	
-Coal			145	150 -			
Slate	and the second s		150	190		ada)idaan ahi	
Sand			190	228	Hole full	water 965	* .
Slate			228	232		and the second s	
Coal			232	234 =	Water 169	8.1	
-Slate Sand			234 238	238 310	Show gas	17661	
Slate			310	320	JIIOW gas .	F (0)	
Line			320	329	Show gas	1900:	·
Slate			329	382			
Sand		-	382	513	Show oil	2q25°	
-Coal Slate			513 515	515 565	Car 5265	52701 20/1	O Merc.7" 22# 7,117M
Sard			565	58 1	das jaoje	7417 20/1	الماليدوا المعالية المالية
Slate			581	784			
Sand			784	812	NOT SHOT	аркалонация	
Slate			812	865		and continue	·
Sand Slate			865	923	CONST OTHER	N PTOU	3777 15 0-12 0 0-12
-Salt Sand			923 925	925 1322	24 Hr. R.		,117 M - Oriskany
Slate	TO THE PARTY OF TH		1322	1326		1477110	
Sand			1326	1428			
Slate			1428	14,32			
Red Rock			1/432	1450			:
Lime			1450	1460		15609020	
Slate Red Rock	-		1460	14.68 1515	1	E 12829303,	7/2
Lime			1515	1524		× 12.5	
-Maxon Sand		Taylan Angelonia	1524	1555		MAY 1953	
-Lime			1555	1610	122	VEST VERGINIA	
Slate	*	Non-address	1610	1615	1 12 nr	may 1953 Vest vegnê Patrent de m	THE EXTENSION OF THE PARTY OF T
Time			1615	1622			C V
*Pendl Cave	Parameter Communication Commun	-	1622	, 1627	1.		
Big Lime Fajun Sand		amministration of the control of the	1627 1758	1758 1797		Jones .	
and the second second	1		in the second second	and the second s			

a ormation	Color	Hard or Soft	Top 6	Bottom	Oil, Gas or Water	Depth Found	Remarks
	under man der der geleine der der der der der der der der der de	Mondan-de-uncollent published denter Americano digres in designations (un belanche un bestehn de un			arabina di Malanda (ang ang ang ang ang ang ang ang ang ang 	for the commence of the commen	under redicionaria de la conferencia d
Weir Sand Slate Lime Shell Slate Berea Shel Slate & Sh Brown Shal White Slat White Slat	ls ells e e		1797 2031 2075 2090 2142 2162 4645 4690 4720 5000	2031 2075 2090 2142 2162 4645 4690 4720 5000			
-Black Shal -Corniferou	s Lime		5070 5 13 3	51.33 5251			
-Oriskany S Total dept			5251 5282°	5282			
			The state of the s	and and a second a			
	- Periodic Control Con		Baseline		parama paramana p		
BOX					5251		
				Control of	4773		
	wy maddion will mediane digraphic		Manual Control of the				
	The proposal property of the second	a de la companio del companio de la companio del companio de la companio del la companio de la companio dela companio del la companio de la companio de la companio dela companio dela companio dela comp					
	A control of the cont	Trial control of the					Paramagna and pa
en e		us automotivation of the control of		17 (1) (1)		reservation and the second sec	Ar seadin international management
	ma. Amazamana ya katanga pangangan pangan pangangan pangan pangangan pangan pangangan pangan pangangan pangangan pangangan pangangan pangangan pangangan pangan pangangan pangangan pangangan pangan pa	Facility of the second of the		e e e e e e e e e e e e e e e e e e e			
	To a control of the c					ing a second of the second of	
	Biblio de Liberta de America de Carlos de Carl		urani Pungan pangan sebagai Pungan	aren 1908 Aren 200 - Aren 1902 Aren 1902	ega (general) Pasa (general) Pasa (general)	\$19.5°	
	The support of the su						
	A CONTRACTOR OF THE CONTRACTOR						
	George Control of the				1		
	A BOA - AND					1	
	egy terminal de la companya de la co						
					handstandillessimes make		na de la companya de
) (*1.3 		State of the state	
				and the state of t		Training Virian, and and an analysis of the control	
	The second control of			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			**************************************
	Biological Control of the Control of				1		
PARTERIAL STREET	man and religion to a control devices considerately and a state of the second of the control of			aga guerriad la colotatura de corrección con control de control de control de control de control de control de		MAY 28,	, 19.53

Salt Palating S	Date	MAI 20	The the Street of the Street o	19.22
APPROVED	UNITED	FUEL GAS	COMPANY	_, Owne
	1 1	Construction on Land	and the second	
Ву		XX Maria		
•	94	/ PRESENT IN THE	r in the second of the second	

Page 1 of_ Form WW2-A (6/94) File Copy

DEC 27 1996

Environmental recoction

Permitting
Office of CII 2 Ang

1) Date: 10/29/96

2) Operator's well number COCO-A WELL # 7224

3) API Well No: 47 - 039 - 01593 - 0 State - County - Permit

P. O. BOX 1273 CHARLESTON, WEST VIRGINIA 25325-1273 My Commission Expires August 12, 1997

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT DIVISION OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner (s) to be served:	5) (a) Coal Operator:
a) Name <u>Richard K. Mullins</u>	Name
Address 6 Vickers Drive Elkview, WV 25071	Address
b) Name	(b) Coal Owner (s) with Declaration
Address	Name State of West Virginia
	Address
c) Name	- IMPL
Address	Name
	Address
6) Inancator Carlos W. Hivialy	(a) Cool Loopes with E
Address 223 Pinch Ridge Road	Name AMA AMA
Elkview. WV 25071	Address
Telephone (304) - 965-6069	(M M M M) (M)
c) Name	TAKE NOTICE THAT
Included is the lease or leases or c	other continuing contrac.
contracts by which I hold the right to e	xtract oil and gas <u>OK</u>
$8 ext{ (d)}$ of the Code of West Virginia (see μ	name 2)
I certify that as required under Char	, a g = 2,
I have served copies of this notice and	application, a location plat, and
accompanying documents pages 1 through	on the above named parties, by:
Personal Service (Affidavit attache	
X Certified Mail (Postmarked postal	receipt attached)
Publication (Notice of Publication	attached)
t have made and understand Observer 00	C and CO COD 44.40 and I amag
I have read and understand Chapter 22- to the terms and conditions of any pern	o and so CSR 11-10, and 1 agree
l certify under penalty of law that I l	nave personally examined and am
familiar with the information submitted on	
attachments, and that based on my inqu	
responsible for obtaining the information, I	
is true, accurate, and complete.	
I am aware that there are significant	penalties for submitting false
information, including the possibility of fine	
Well Operator	COLUMBIA GAS TRANSMISSION CORP.
by:	Storage Engineer / Well Services
Address P	P. O. Box 1808
	St. Albans, WV 25177-1808
	(304) 722-8612
Subscribed and sworn before me this 440	day of Mulleulle , 19 76
A STATE OF Y	who the
My commission expires	Notary Public
My commission expires	OFFICIAL SEAL
O	NOTARY PUBLIC STATE OF WEST VIRGINIA
	PATRICIA A. TURKETT



JAN 2 1 1009

State of West Virginia Division of Environmental Protection

Section of Oil and Gas

Parmitting Office of Oil & Gas

Well Operator's Report of Well Work

MULLINS, RICHARD K. Farm name:

Operator Well No.: 7224

LOCATION:

Elevation: 1,090.20 Quadrangle: BLUE CREEK

District: ELK County: KANAWHA
Latitude: 5250 Feet South of 38 Deg. 25Min. 0 Sec.
Longitude 9250 Feet West of 81 Deg. 25 Min. 0 Sec.

Company: COLUMBIA GAS TRANSMISSION

P. O. BOX 1273

CHARLESTON, WV 25325-1273

Agent: RICHARD L. COTY

Inspector: CARLOS HIVELY

04/08/97 Permit Issued: Well work Commenced: 07-18-97 08-20-97 Well work Completed:

Verbal Plugging

Permission granted on:

Rotary_ Cable Total Depth (feet) 5282* Fresh water depths (ft)

Not Reported Salt water depths (ft) 965', 1698'

Is coal being mined in area (Y/N)?N Coal Depths (ft): Not Reported

		'	
Casing &	Used in	Left	Cement Fill Up
Tubing	Drilling	in Well	Cu. Ft.
Size			
_13_3/8"_		405'	
10_3/4"		1572'	
8 5/8"	 	2078'	50sx
5 1/2"	 	5169"	671SX
2 3/8"		5171	

OPEN FLOW DATA

Producing formation ORISKANY STORAGE	Pay zone depth (ft)5251'-5082	
Gas: Initial open flow MCF/d Oil:	Initial open flowBbl/d	
Final open flow MCF/d Time of open flow between initial a	Final open flowBbl/d	
Time of open flow between initial a		
Static rock Pressurepsig (surfa	ace pressure) afterHours	,
Final open flow MCF/d Time of open flow between initial a	Pay zone depth (ft) Initial open flow Bbl/d Final open flow Bbl/d and final tests Hours ace pressure) after Hours	}

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For:	COLUMB	A GAS TRA	NSMISSKON	CORP.	
	B37.	Kulhlhl			
	Date:	1-15-98			

Pulled 5244' of 2 3/8" tubing, stimulated ORISKANY with 75 Quality foam frac, using 185 bbls water, 551 MSCF N², and 17,100 lbs 20/40 sand, and snubbed in 5171' of 2 3/8" tubing.

ACTOR OF THE STATE OF THE STATE

odilanti 3.

- (日本の記載的) (1. 1750 的) (2. 1750 年) (2. 1750 年) (3. 1